

FERNALD CLEANUP PROGRESS BRIEFING

SEPTEMBER 2000

6:30 p.m. Opening Remarks

Gary Stegner

6:35 p.m. Project Updates

Waste Pits Remedial Action Project

Dave Lojek

Soil & Disposal Facility Projects

Rob Janke

Decontamination & Dismantlement

John Trygier

Silos Project

Nina Akgunduz

Aquifer Restoration/Wastewater Project

Rob Janke

Waste Generator Services

Randy Janke

Question and Answer Session

8:30 p.m. Adjourn

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PROJECT NEWS

WASTE PITS REMEDIAL ACTION PROJECT

- Rail transportation
 - 28 trains (167,000 tons) to Envirocare
- Waste pit excavation
 - 30 percent of Pit 3; 20 percent of Pit 1
 - Place an average of 800 cubic yards of material into railcars daily
- Safety Awards
 - Fluor Corp. Tri Star Award (250,000 hours w/o lost time injuries)
 - IT Corp. Safety Award (over 1,000 days w/o lost time injuries)

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PROJECT NEWS

SOIL & DISPOSAL FACILITY

PROJECT

- 120,000 in-place cubic yards in On-Site Disposal Facility, end of July
 - Cell 1, 98 percent complete; capping in 2001
 - Cell 2, 51 percent complete
 - Cell 3, 16 percent complete
- Resumed clay screening in the Borrow Area in July; stockpiling for Cell 1 cap
- Issued RFP for capping of Cell 1 in July; contract to be awarded in October
- Ongoing construction of the Enhanced Permanent Leachate Transmission System

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PROJECT NEWS

SOIL & DISPOSAL FACILITY PROJECT

- Met with Ohio Department of Transportation and Hamilton County; discussed recent traffic study recommendations
- Excavated more than 600,000 bulk cubic yards from Southern Waste Units and surrounding areas; 165,000 bulk cubic yards this year; less than 12,000 cubic yards remain to complete excavation at the SWUs
- Ongoing certification of soils; approximately 38 percent (31 percent approved by EPA—7 percent pending) of site has been certified as meeting cleanup levels

ENHANCED PERMANENT LEACHATE TRANSMISSION SYSTEM

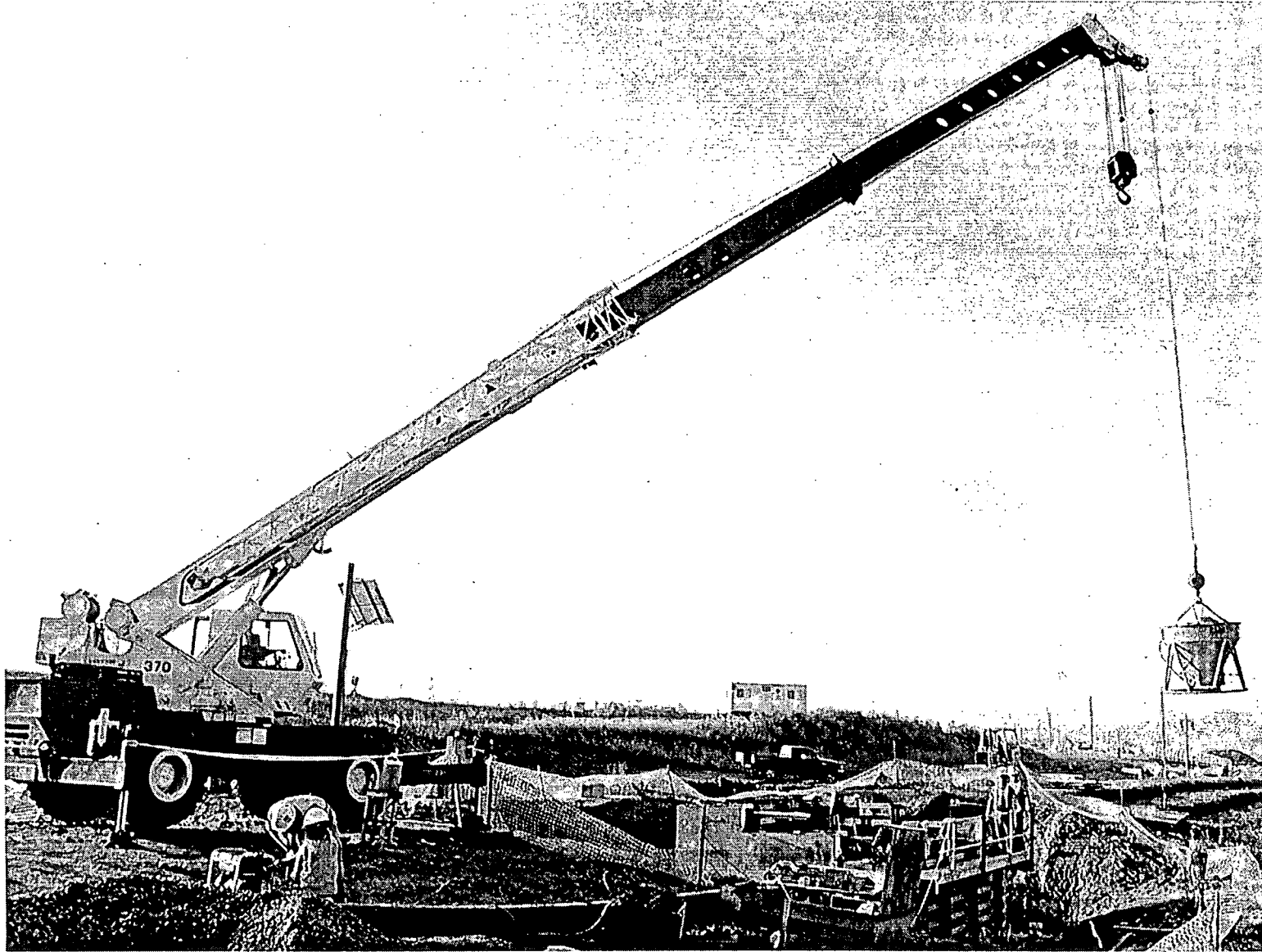


Photo taken August 2000

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ENHANCED PERMANENT LEACHATE TRANSMISSION SYSTEM

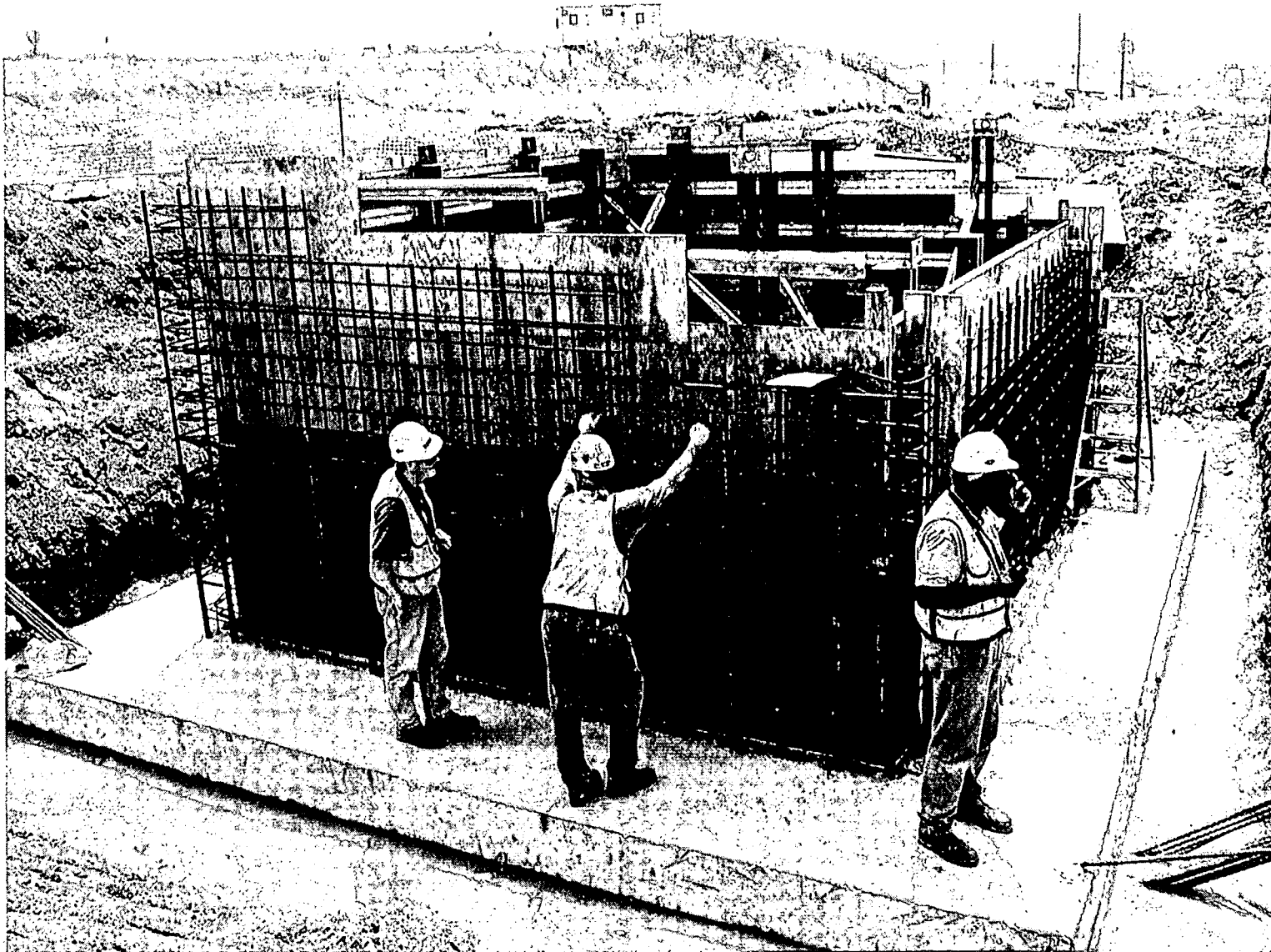


Photo taken August 2000

BORROW AREA

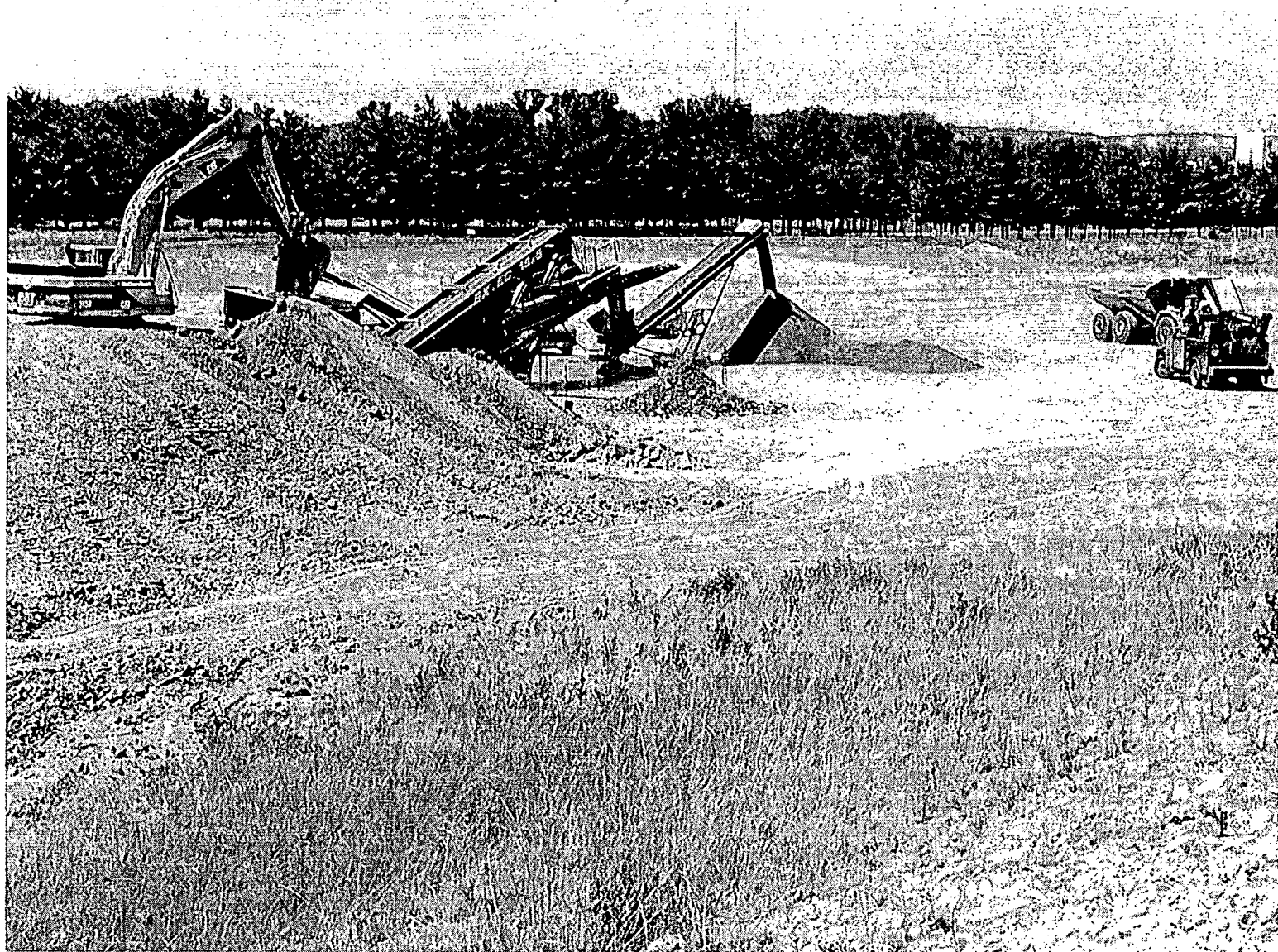


Photo taken July 2000

GEOPROBE SAMPLING



Photo taken April 2000

PROJECT NEWS

DECONTAMINATION & DISMANTLEMENT

- Plant 5
 - Completed demolition of Building 4B
 - Continued equipment removal in Building 5A
- Plant 6
 - Exterior transite removal of Building 70
 - Continued removal of interior equipment and interior demolition of the Thorium Area
- Nuclear Fuel Services Tanks (Building 2E)
 - Completed dismantlement and demolition of four tanks and the Pump House
- Security Building (28A) and Industrial Relations Building (28B)
 - Completed demolition of Building 28N, Main Gate Guard Post
 - Continued removal of asbestos contaminated material in 28A & B
 - Began interior demolition of 28B

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PROJECT NEWS

SILOS PROJECT

Silos 1 & 2 Draft Revised Feasibility Study/ Proposed Plan Project Status

- Signed Silos 1 & 2 Record of Decision Amendment (ROD) on July 13, 2000
- Silos 1 & 2 RFP (draft) sent to DOE-HQ for review
- Addressing comments on the draft RFP

PROJECT NEWS

AQUIFER RESTORATION/ WASTEWATER PROJECT

- Approved U.S. & OEPA Re-Injection Demonstration Test Report
 - Continued operations of existing injection wells
 - Consideration of additional wells
- Remediation of the Great Miami Aquifer in Waste Storage and Plant 6 Areas
- Preliminary Design
 - Preparations underway to perform pump test on southernmost plume in order to support preliminary design of Waste Pits Groundwater Remediation Module; due to EPAs in June 2001

PROJECT NEWS

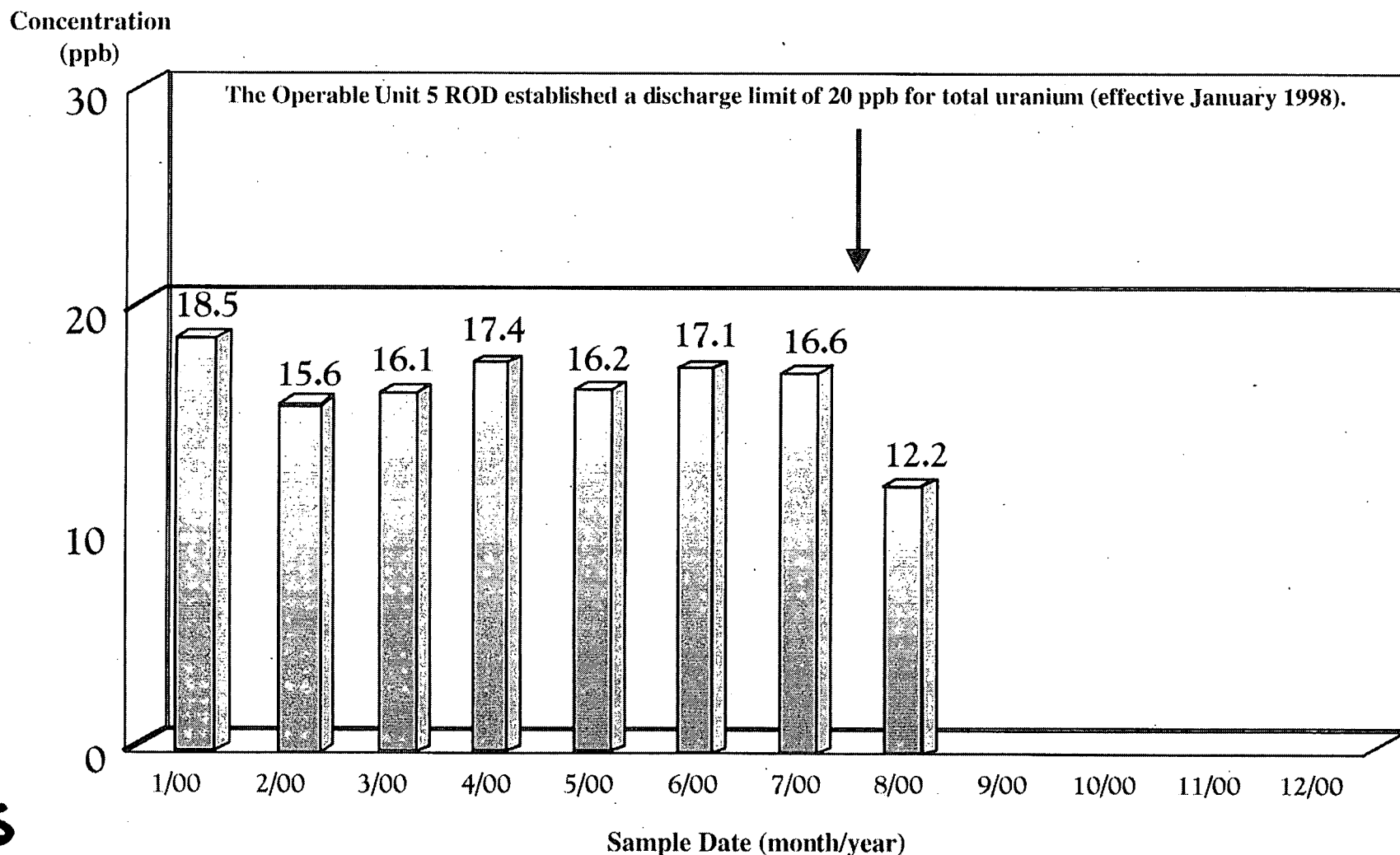
AQUIFER RESTORATION/ WASTEWATER PROJECT

Conceptual Design Report Conclusions

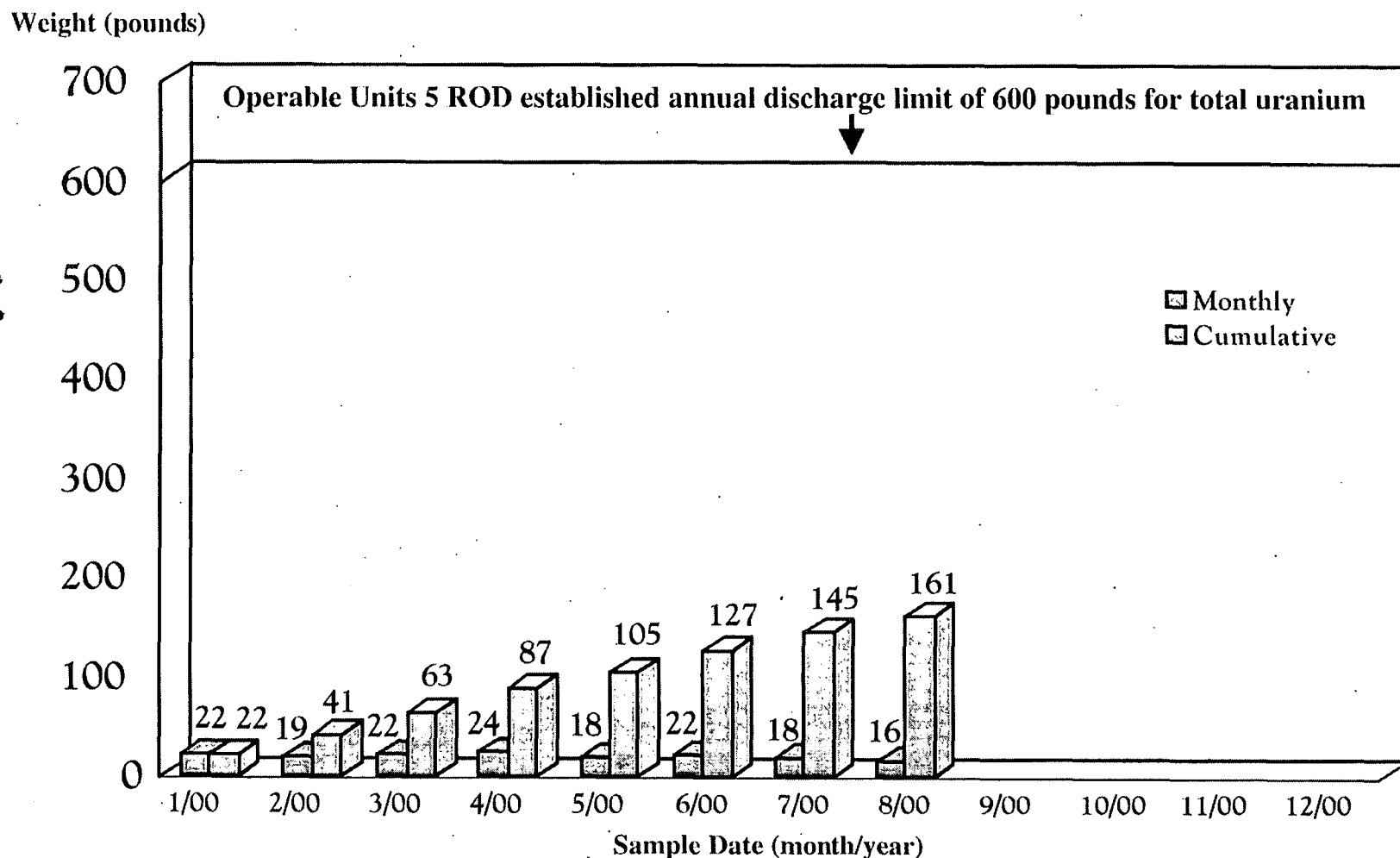
- Plant 6
 - Original model plume not present
 - No plume greater than 20 ppb exists
- Waste Storage Area
 - Plume smaller than RI/FS finding (55 acres versus 70 acres)
 - Identified three distinct plumes
 - Southern plume extends further east and has uranium concentration up to 566 parts-per-billion

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AVERAGE MONTHLY TOTAL URANIUM CONCENTRATION DISCHARGED TO THE GREAT MIAMI RIVER IN 2000



POUNDS OF URANIUM DISCHARGED TO THE GREAT MIAMI RIVER IN 2000



Note: Sum of monthly discharges may not always agree with cumulative total because of rounding differences.

CLEANING INJECTION WELL

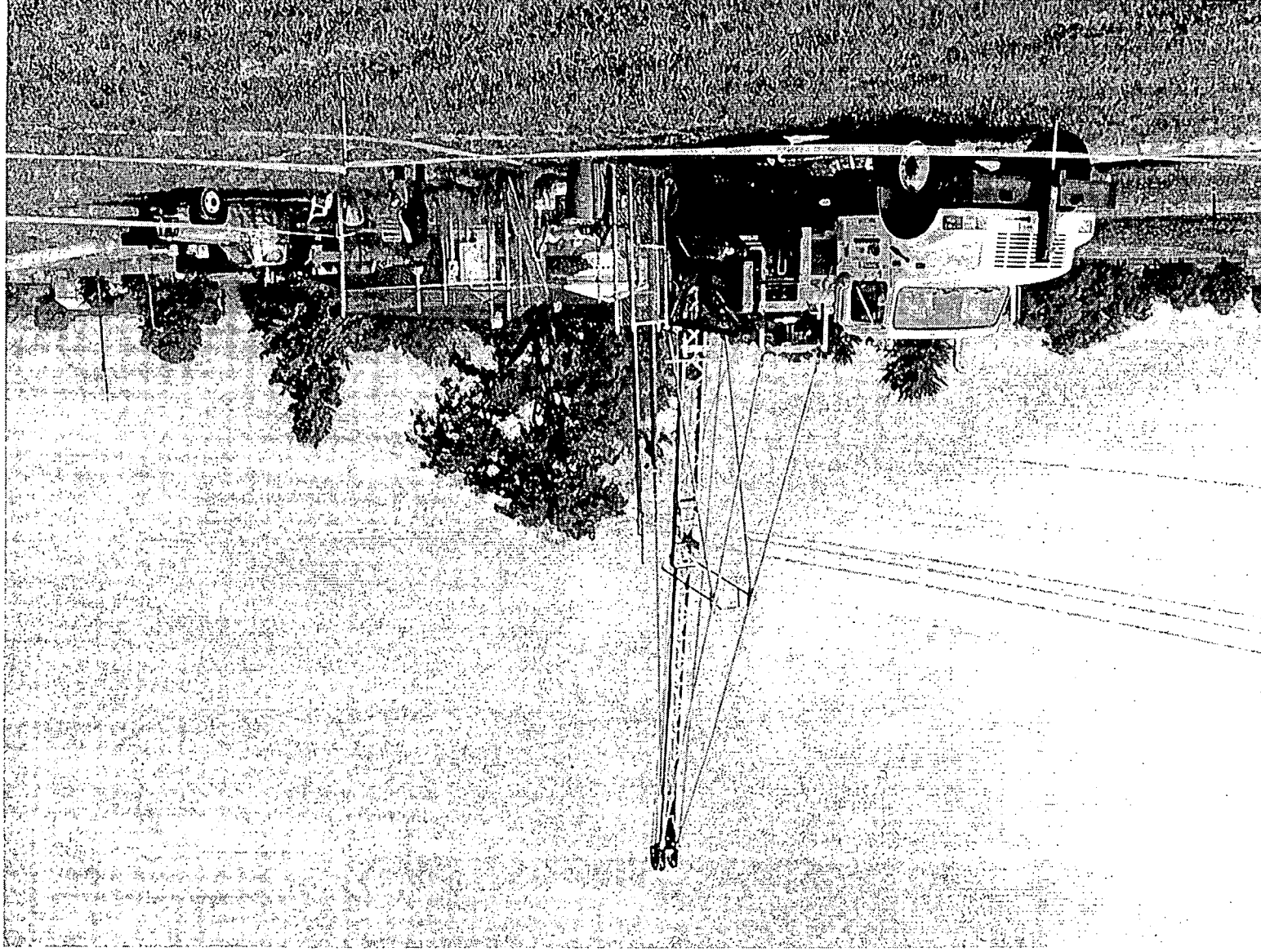


Photo taken July 2000

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PROJECT NEWS

WASTE GENERATOR SERVICES

- Shipped low level waste Nevada Test Site
 - Over 106,000 cubic feet, in FY 2000
- Shipped nuclear materials to Portsmouth, Ohio
 - 3024 metric tons uranium (MTU) since June 1999
 - Equates to 80 percent of 3,801 MTU to be shipped
- Began shipping Batch 9 (16,000 gallons of liquid mixed waste) to TSCA Incinerator in Oak Ridge

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